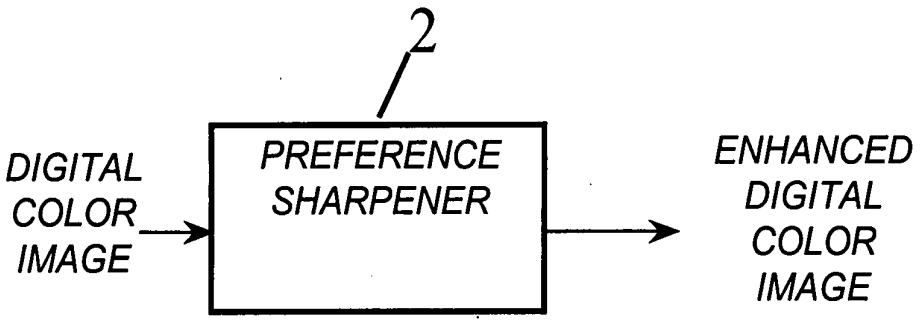
06222T "09024160

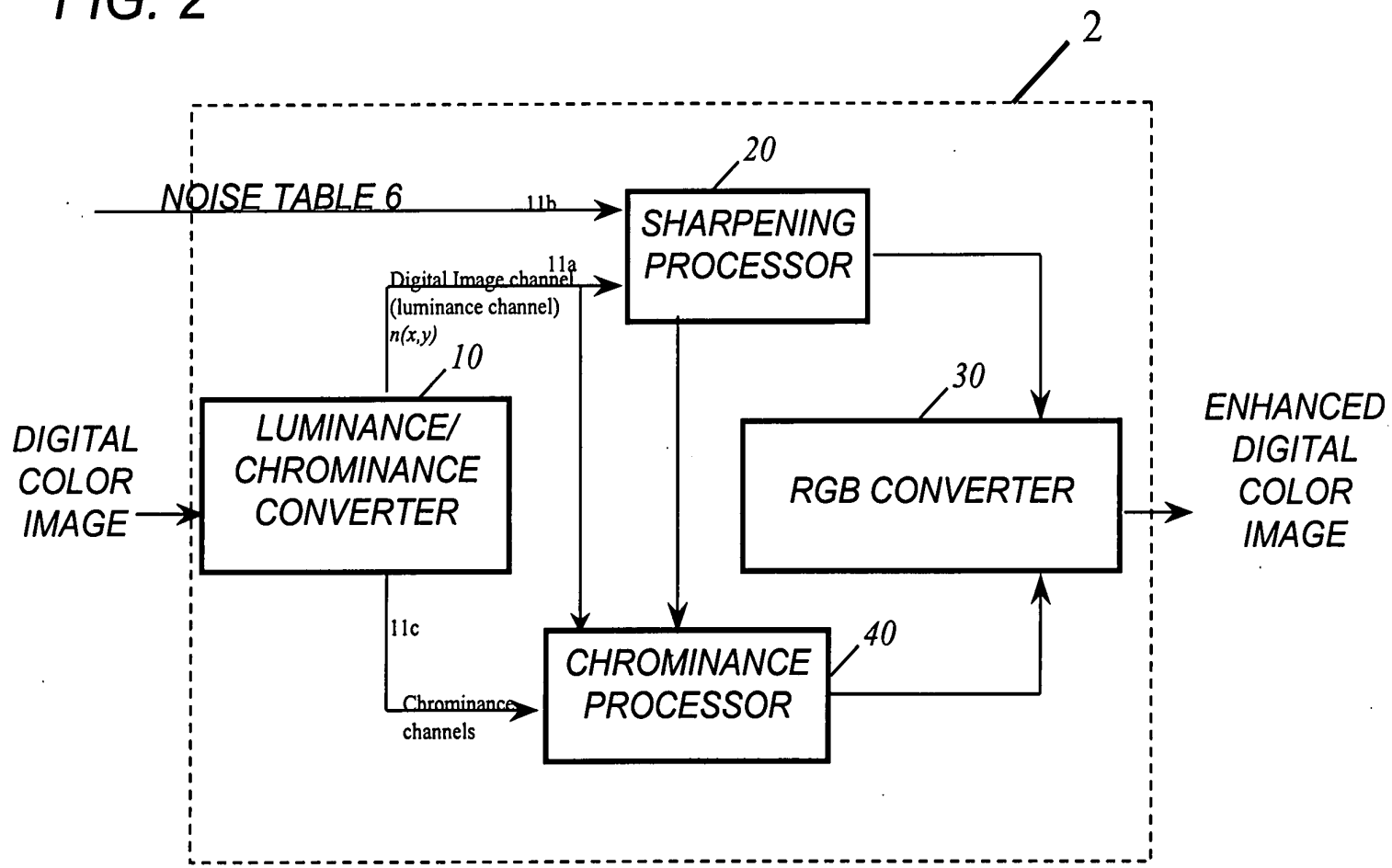
(system diagram)

FIG. 1



(system diagram)

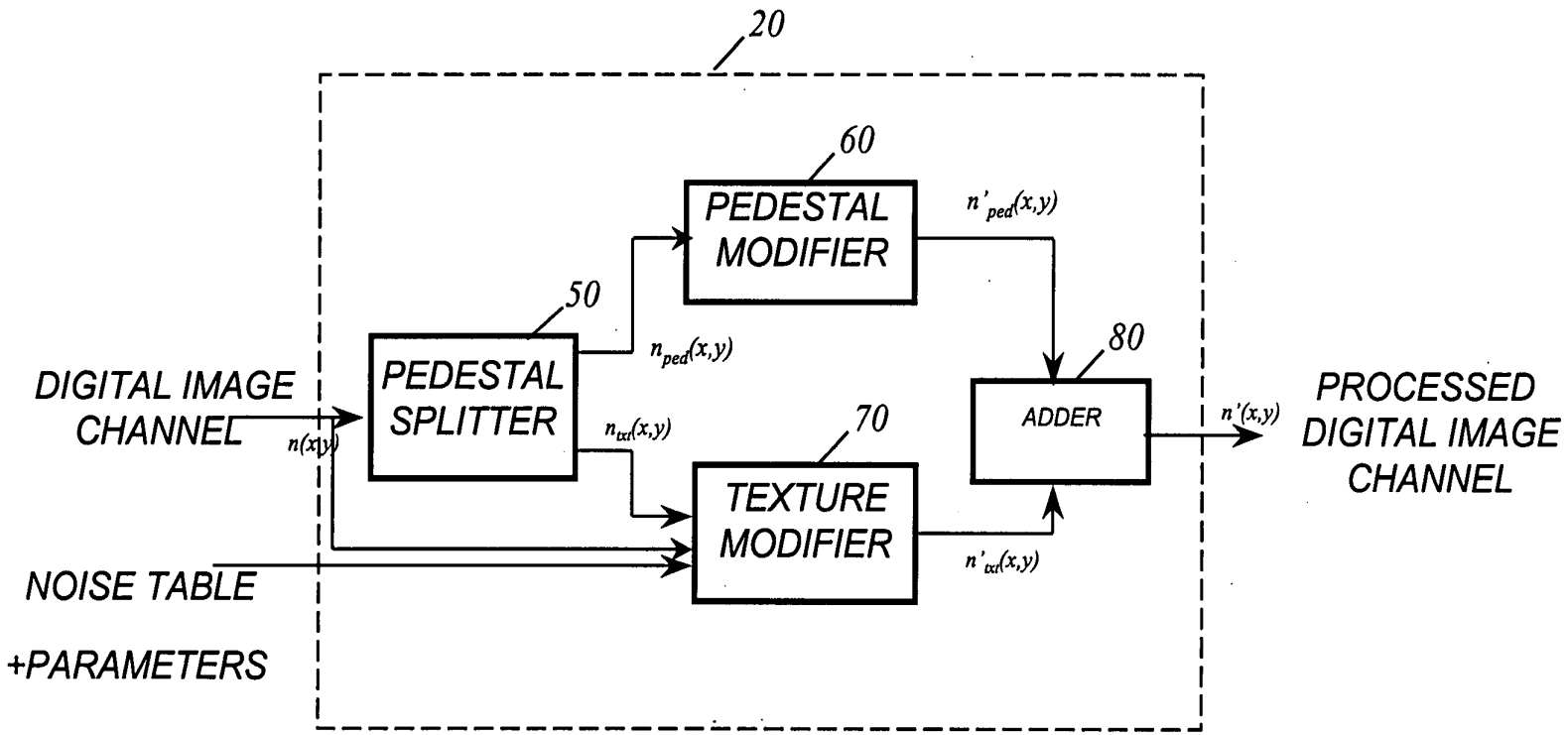
FIG. 2



6626261 "0902"60

(sharpening processor 20)

FIG. 3



(sharpening processor 20)

FIG. 4

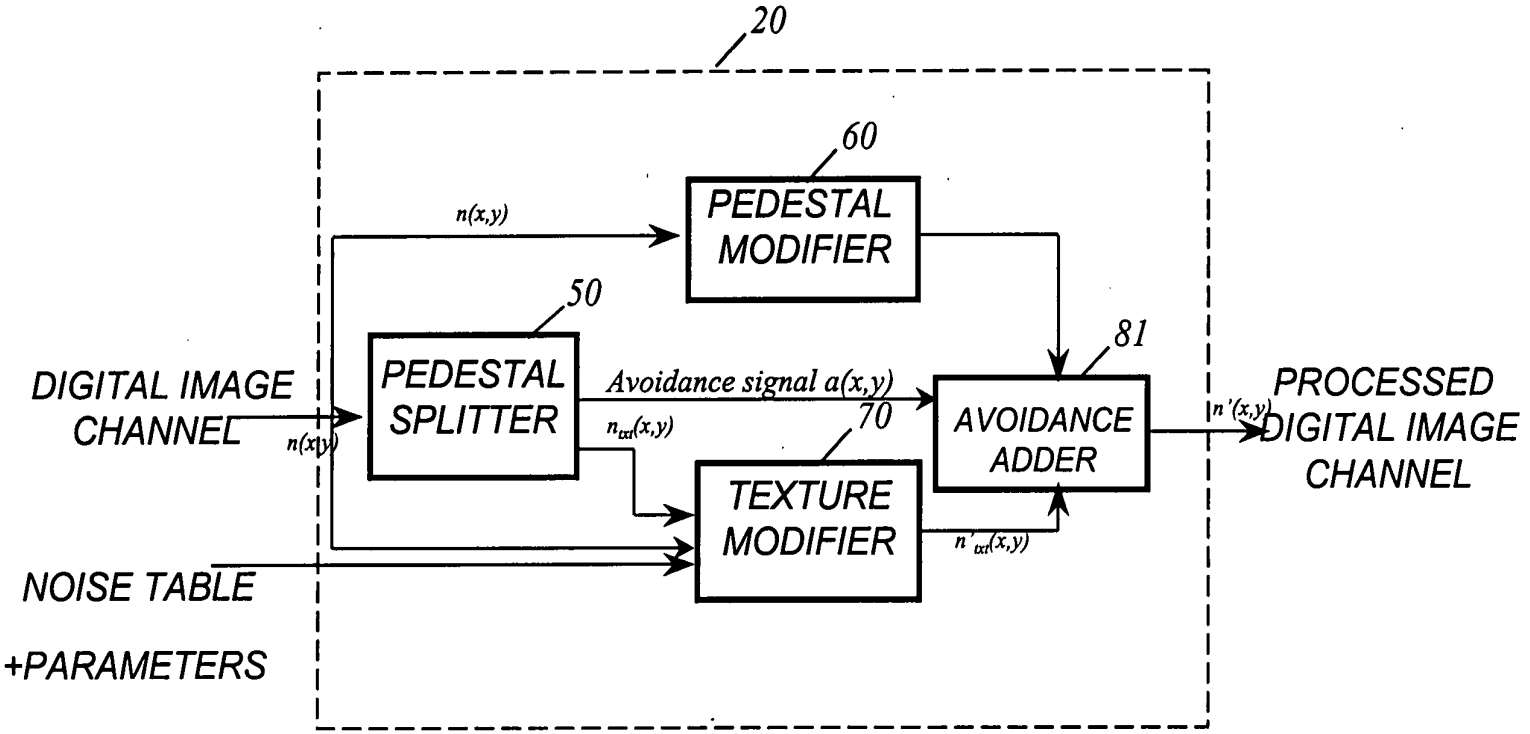


FIG. 5

(PEDESTAL SPLITTER)

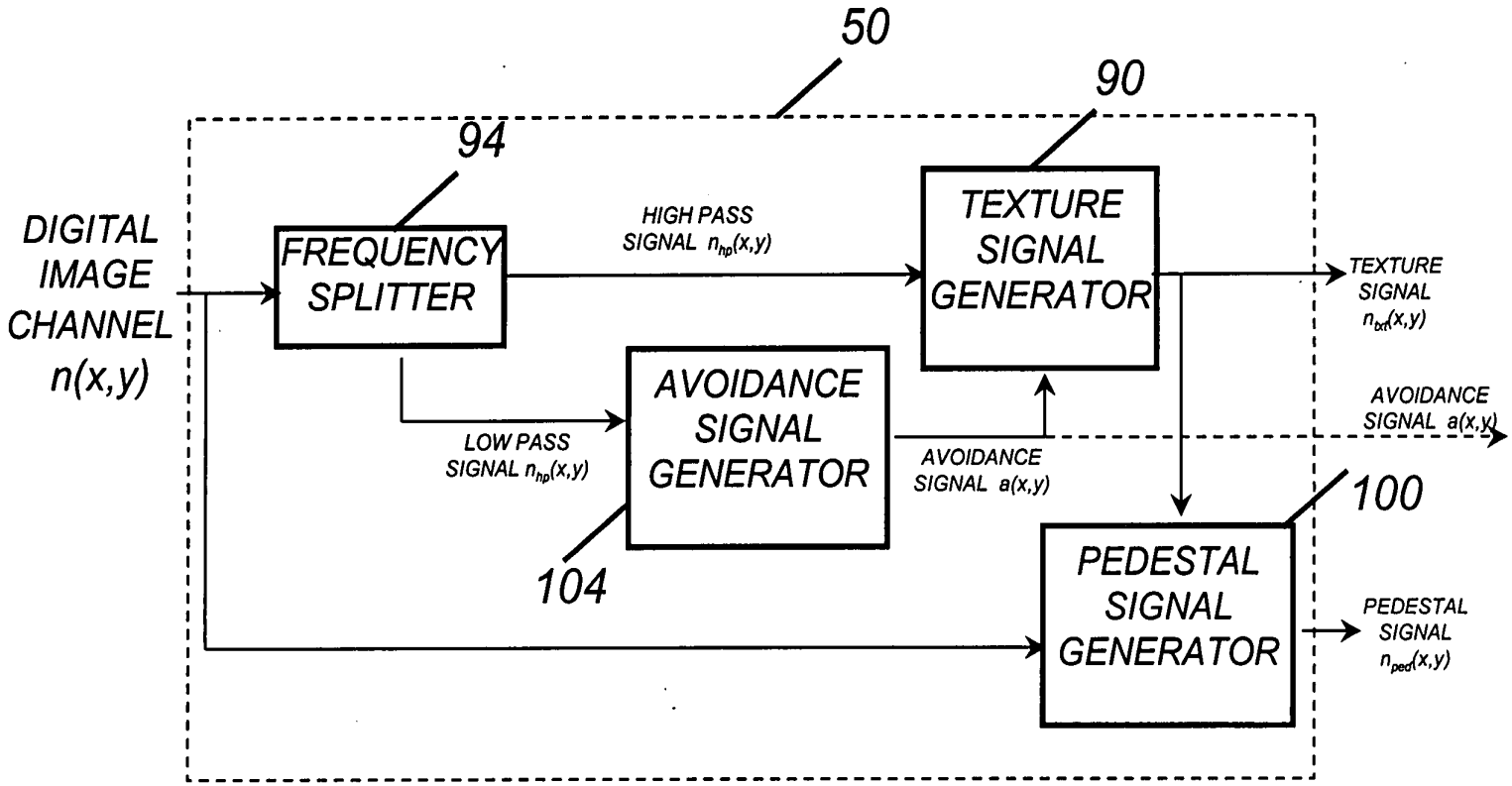


FIG. 5A

(ALTERNATIVE EMBODIMENT OF THE PEDESTAL SPLITTER)

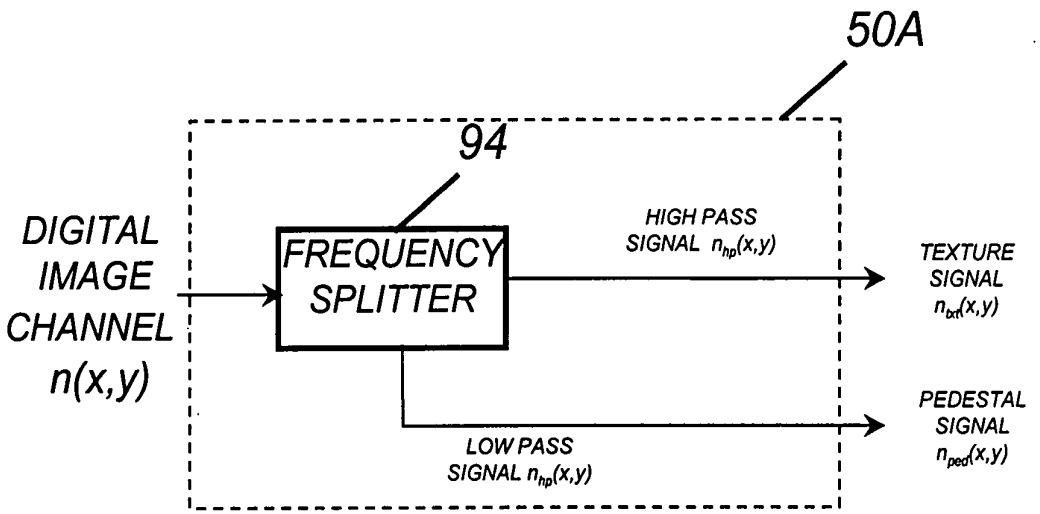


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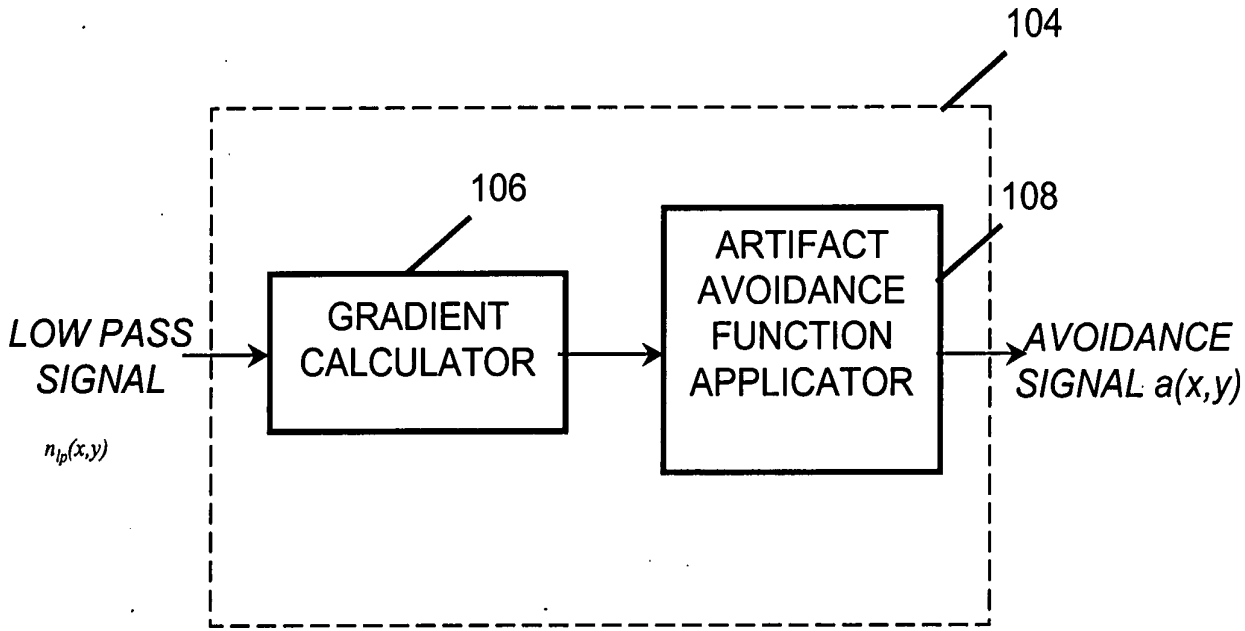
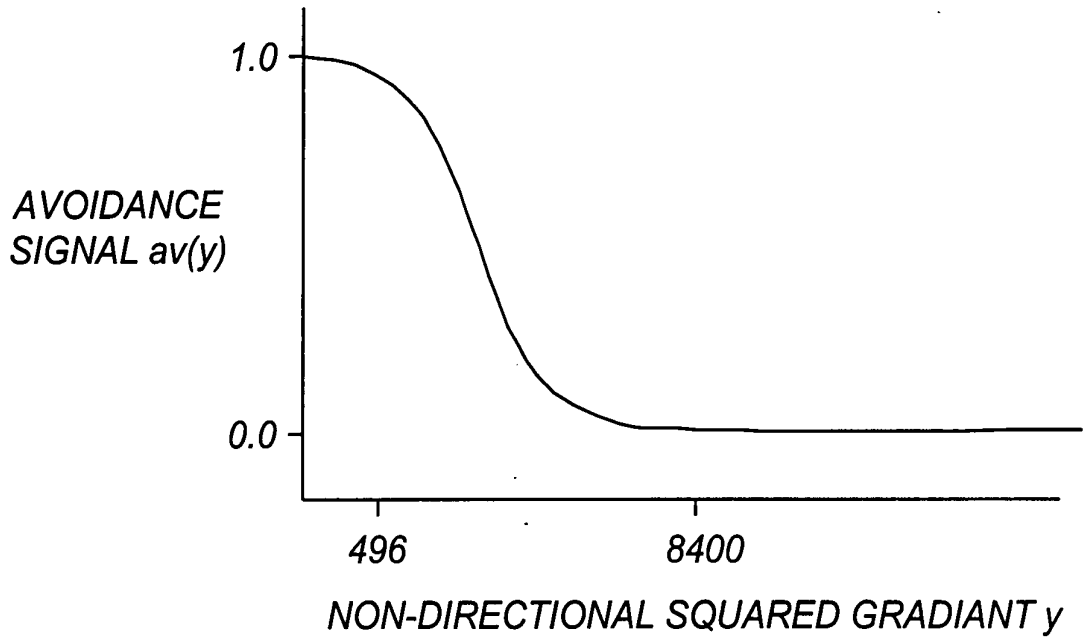
FIG. 6 (AVOIDANCE SIGNAL GENERATOR)



6622261 "0902160

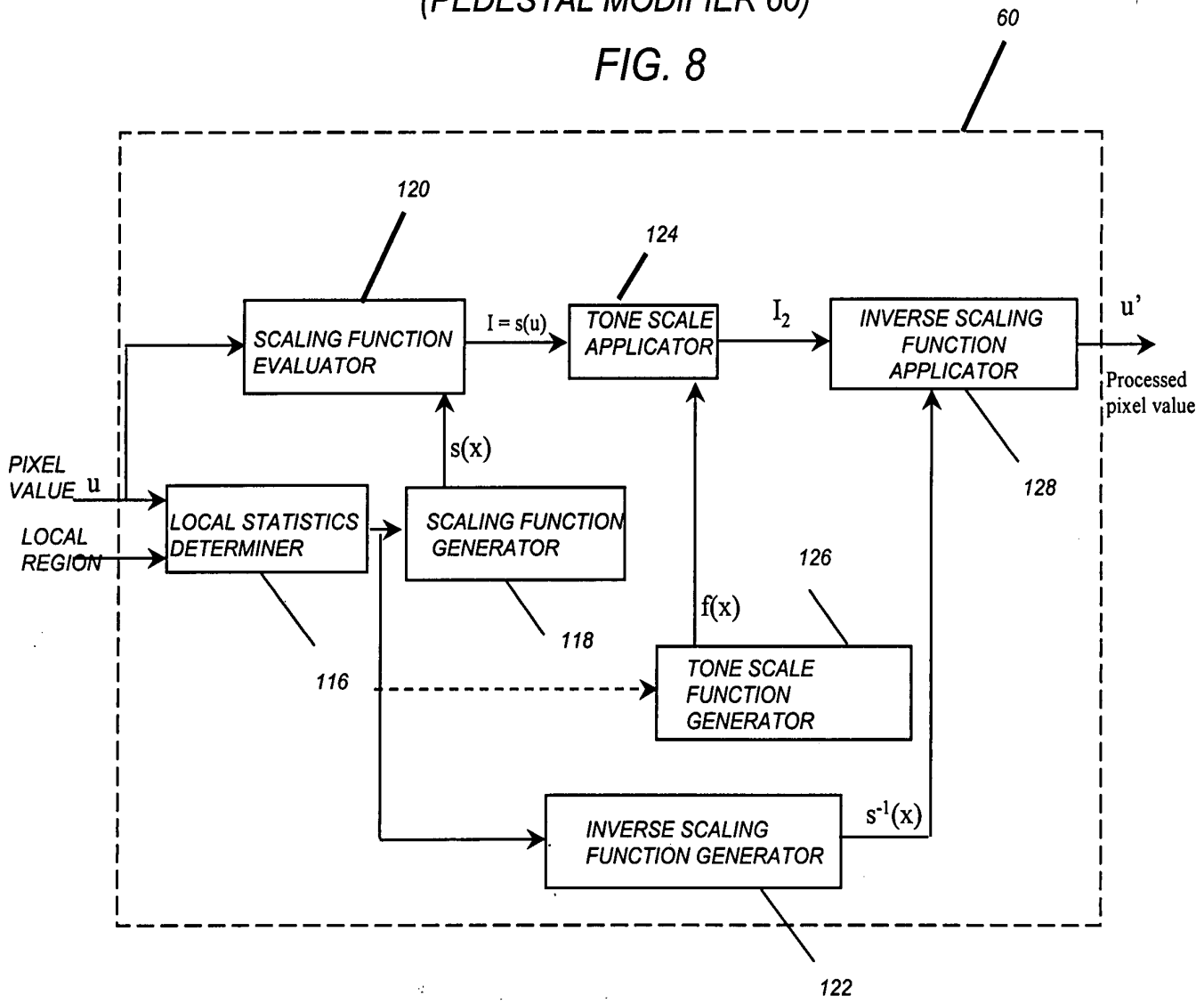
(ARTIFACT AVOIDANCE FUNCTION)

FIG. 7



(PEDESTAL MODIFIER 60)

FIG. 8



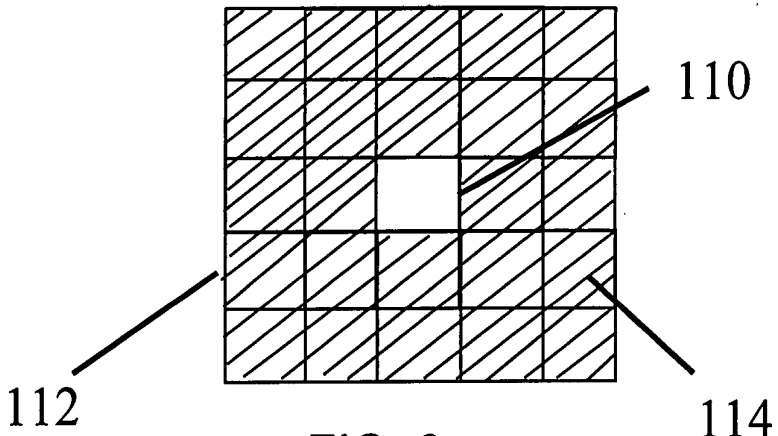


FIG. 9

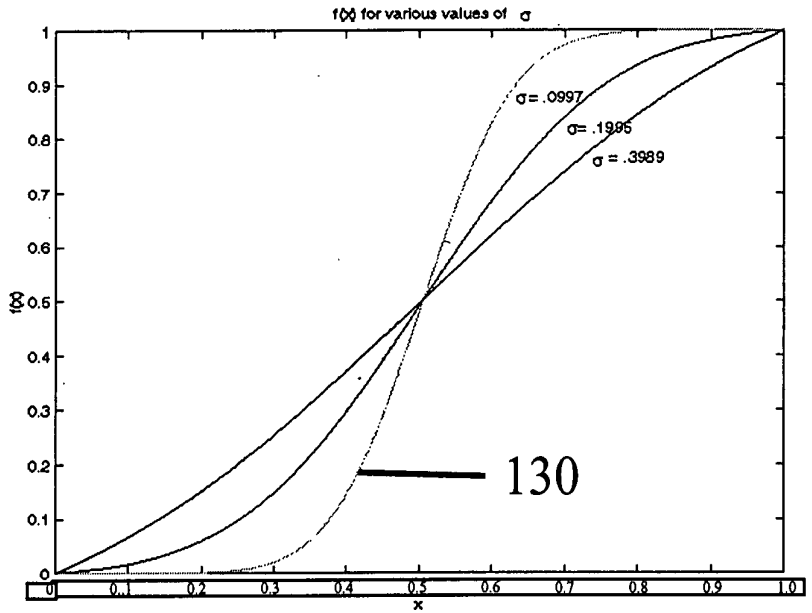


FIG. 10

FIG. 11

(texture modifier 70)

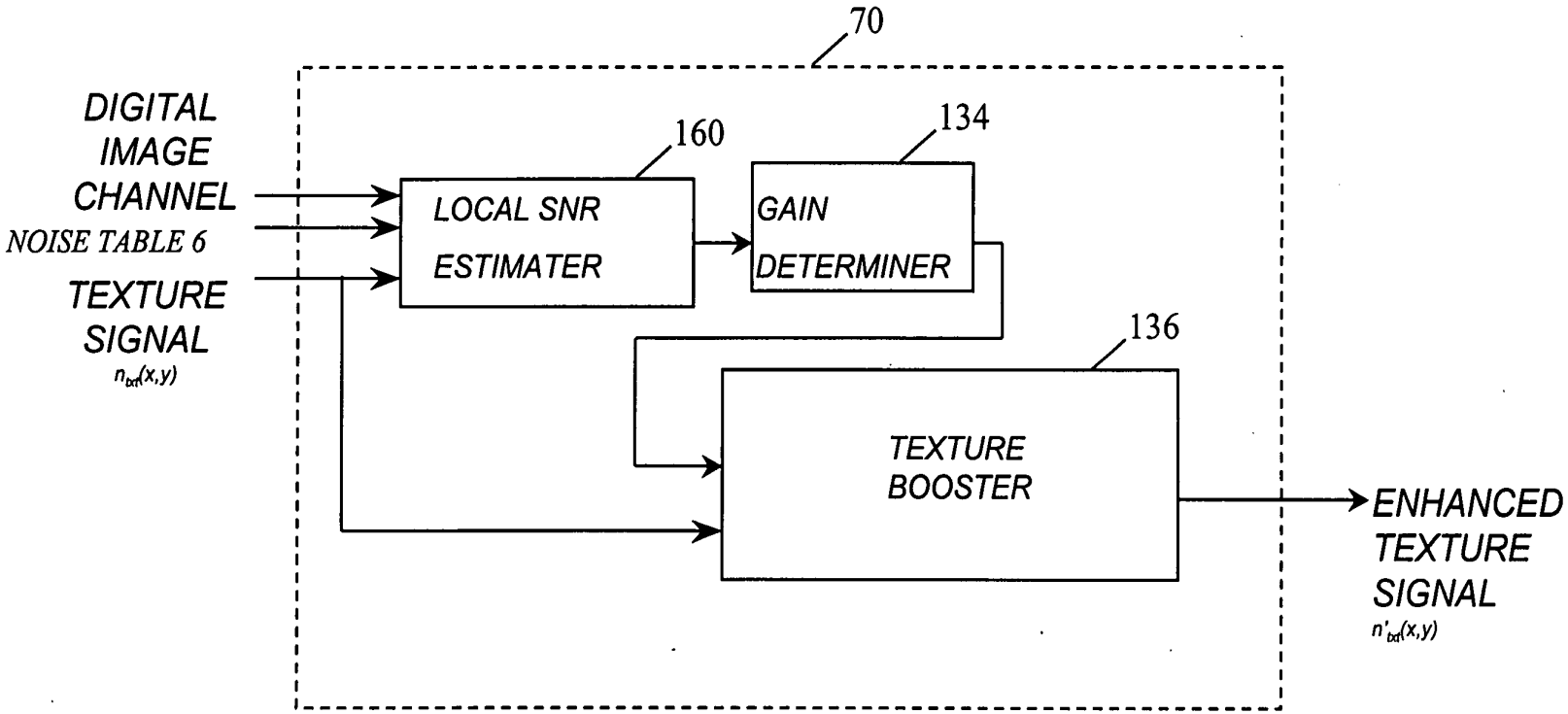
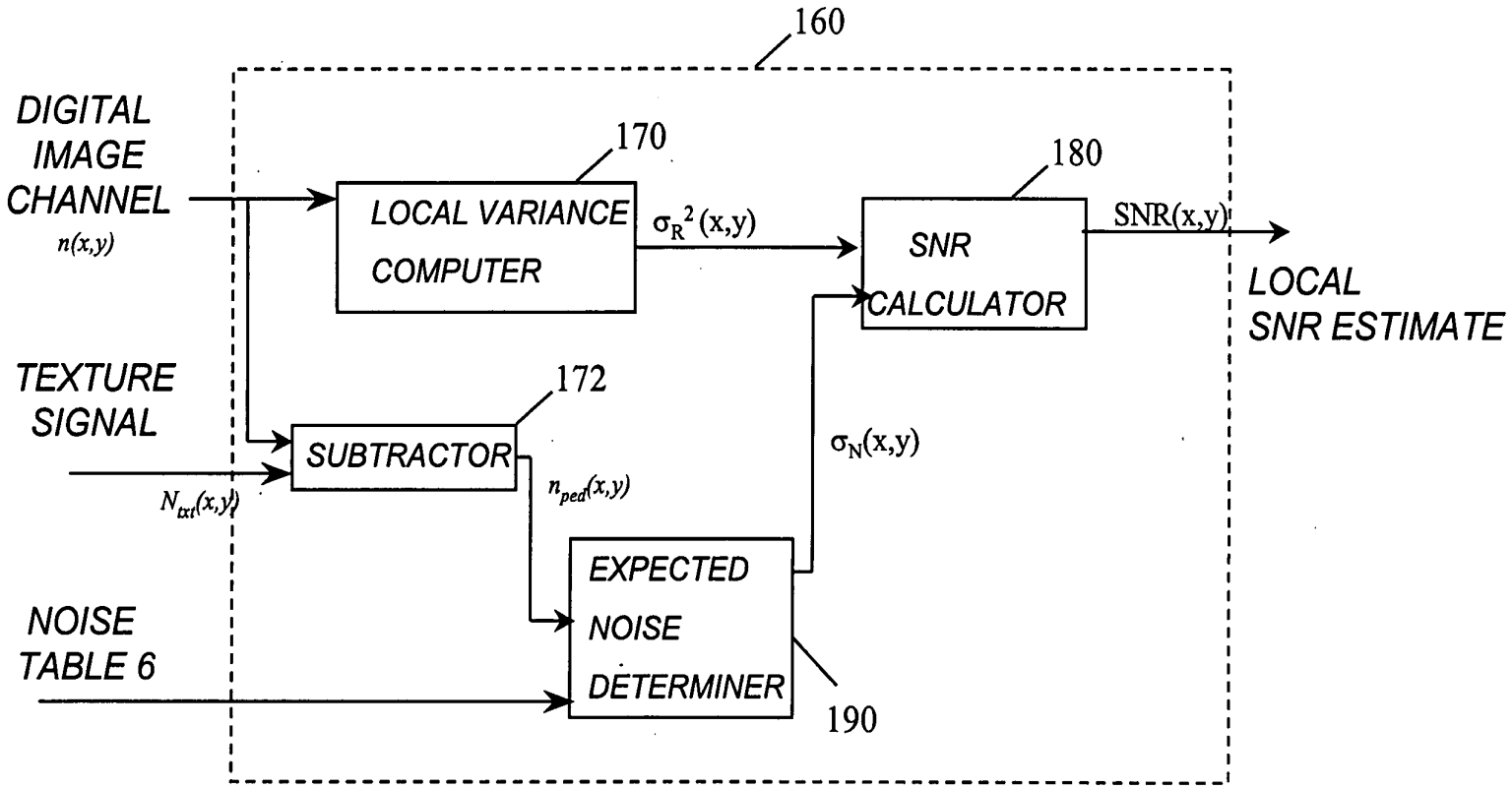


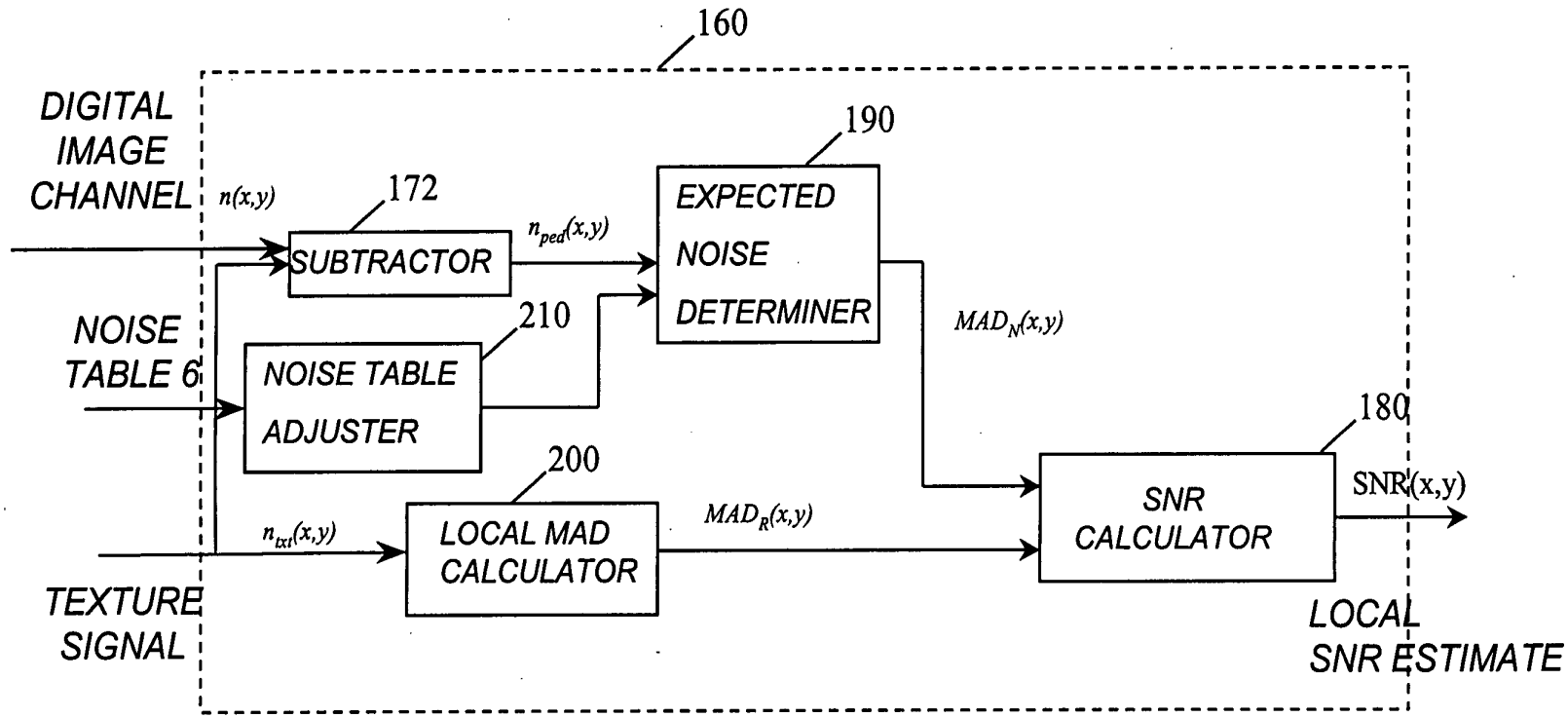
FIG. 12

(LOCAL SNR ESTIMATER 115)



(ALTERNATIVE EMBODIMENT OF LOCAL SNR ESTIMATER 160)

FIG. 13



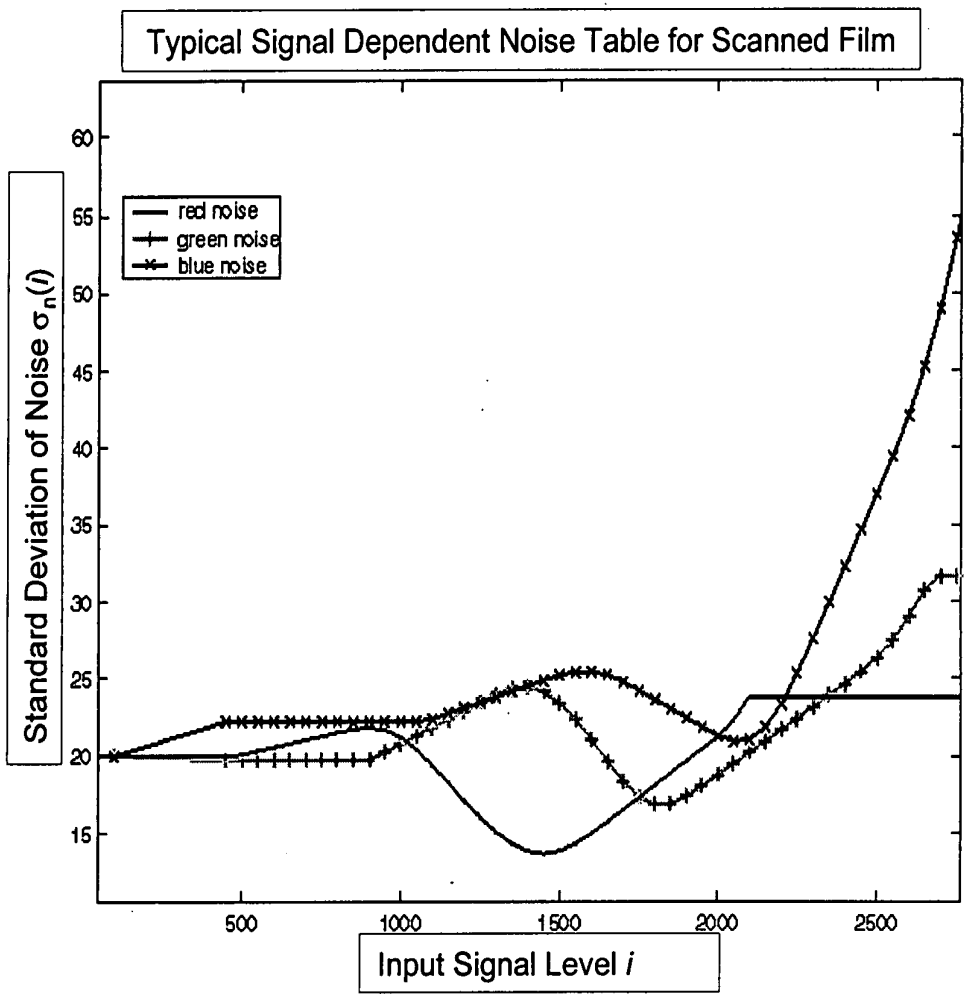

Typical Signal Dependent Noise Table for Scanned Film
red noise
green noise
blue noise
Standard Deviation of Noise $\sigma_n(i)$
60
55
50
45
40
35
30
25
20
15
500
1000
1500
2000
2500
Input Signal Level *i*

Fig. 14

Conversion function in Gain determiner 134

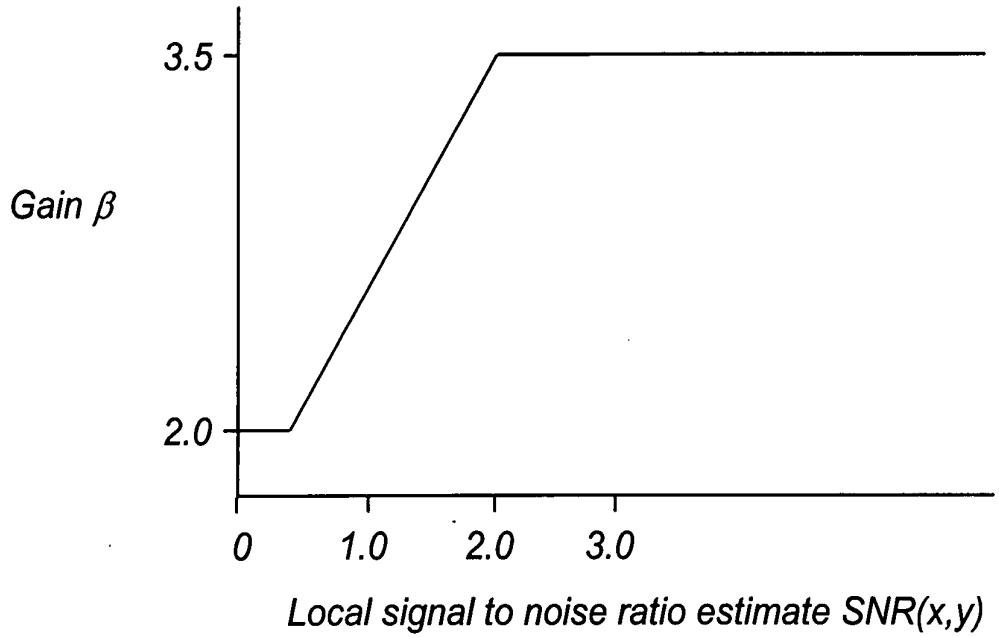



FIG. 15